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of Pharmacology



23-26
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ATHENS/
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Megaron Athens
International
Conference Centre



POSTER SESSIONS

Poster Session I (001 – 099) | Monday June 24th , 12:45-13:45

Poster Session II (100 – 204) | Tuesday June 25th , 12:45-13:45

Poster Session III (205 – 313) | Wednesday June 26th , 09:00-10:30

PP001. The role of the pharmacist in the management of cancer pain in Greece

Aliferis E¹, Garani-Papadatos S¹

PP002. Effects of dapagliflozin on vascular reactivity of internal mammary artery and saphenous vein bypass grafts isolated from diabetic and nondiabetic patients

Vidin Sen A¹, Uydes Dogan B¹, Kisa U², Kocogullari C², Teskin O³, Alp Yildirim I¹

PP003. Influence of Mediterranean diet and intermittent Fasting on Type II diabetes mellitus among Adults: A systematic review from ClinicalTrials.org

Ashour A¹

PP004. Pharmaco-proteomic profiling of direct oral anticoagulants on endothelial cells

Atzemian N¹, Portokallidou K¹, Leonidis G¹, Pallikarou M¹, Ragia G¹, Manolopoulos V¹

PP005. Antimicrobial stewardship and clinical pharmacist interventions in intensive care unit: a pre and post-interventional study

Pehlivan A¹, Yanık Yalçın T², İrem Yeşiler F³, Şahintürk H³, Kurt Azap Ö², Zeyneloğlu P³, Basgut B¹

PP006. Methylene blue as a potential intervention in sepsis: effects on survival and microcirculation in rat models

Becari C¹, Mestriner F², Bruch Dantas P², Flora Dugaich V², Michelon-Barbosa J², R. Barbosa Evora P², Ribeiro M²

PP007. The Impact of Student-designed Clinical Simulations in OSCE scenarios on the assessment score of Medicine Degree's Anaesthesia students and Podiatry Degree's Pharmacology students

Bellido Estevez I^{1,2}, Blanco Reina E^{1,2}, Bellido Estevez M³, Barroso González A^{1,3}, Guerrero Orriach J^{1,4}, Raigon Ponferrada A^{1,4}, Gomez Luque A^{1,4}

PP008. Impact of weight and gender on the elimination of continuously infused 5-fluorouracil in colorectal cancer patients: A prospective population pharmacokinetic study

Bouchenak F¹, Bouchene S², Sobhi K¹, Mansouri K³, Bouzid K⁴

PP009. Securing Fluoropyrimidine-based chemotherapy: Comparison of three methods of screening for dihydropyrimidine dehydrogenase deficiency

Bouchenak F¹, Laoufi N¹, Sobhi K¹, Mansouri K², Djidjik R³, Bouzid K⁴

PP010. Endothelial Transcription Factor EB Protects Against Hypoxic Pulmonary Hypertension

Chen Q¹, He L¹, Wang L¹, Zhang C², Huang Y¹

PP011. A network meta-analysis on the risk of incident dementia associated with antidiabetic medications: clinical significance of high hypoglycemic activity on elevated dementia risk

Sunwoo Y¹, Park J¹, Choi C², Shin S², Choi Y¹

PP012. Real-World Data (RWD) derived pharmacovigilance assessment on medications with strong abuse potentials: focusing on opioids and stimulants

Kim Y¹, Choi C², Choi Y¹

PP013. Real-world data (RWD) derived pharmacovigilance investigation on drug-induced cognitive dysfunction

Sunwoo Y¹, Eom S¹, Yun J¹, Go C¹, Kim S¹, Kim Y¹, Choi Y¹

PP014. Determination of the chemo-protective effects of specific Phyto-compounds in normal cells against the adverse effects of Breast Cancer chemotherapy

Christodoulou P^{1,2}, Boutsikos P¹, Neophytou C³, Kyriakou T^{1,3}, Christodoulou M², Papageorgis P³, Stephanou A¹, Patrikios I¹

PP015. Resolvin-D1 Mitigates LPS-Induced Senescence in Undifferentiated Cardiac Fibroblasts: The Autocrine Influence of TGF- β 1

Díaz Araya G¹

PP016. Endothelial cysteinolysis protects against age-related cardiac hypertrophy

Drekolia M^{1,2}, Mogler C⁴, Wittig J^{1,2}, Guenther S⁵, Fleming I^{2,3}, Kojonazarov B⁶, Bibli S^{1,2,3}

PP017. Macrophage polarization as a novel target of cardioprotection. Implication of accelerated myocardial repair after myocardial infarction

Efentakis P¹, Founta K¹, Kostopoulos I², Chania C¹, Kostomitsopoulos N³, Tasouli A⁴, Perdikaris S⁵, Tsitsilonis O², Roussis V⁵, Ioannou E⁵, Andreadou I¹

PP018. Microvascular coronary endothelial dysfunction drives Pembrolizumab-induced cardiotoxicity. Prophylactic potential of Atorvastatin

Efentakis P¹, Choustoulaki A¹, Kwiatkowski G², Varela A³, Kostopoulos I⁴, Tsekenis G³, Ntanasis-Stathopoulos I⁵, Georgoulis A¹, Gakiopoulou H⁶, Briasoulis A⁵, Davos C³, Kostomitsopoulos N³, Tsitsilonis O⁴, Dimopoulos M⁵, Terpos E⁵, Chłopicki S², Gavriatopoulou M⁵, Andreadou I¹

PP019. Dimethyl fumarate improves erectile function in streptozocin-induced diabetic rats by attenuating oxidative stress via the activation of Nrf2 antioxidant pathway

Engin S¹, Barut E¹, Kaya Yaşar Y¹, Ay İ², Sezen S^{1,2}

PP020. PDE-4 inhibition with Roflumilast does not improve cardiovascular abnormalities and survival of septic rats

Ferreira Alves G^{1,2}, Delfrate G¹, Garcia de Oliveira J¹, de Almeida Nakashima M¹, Sordi R¹, Assrey J¹, da Silva-Santos J¹, Collino M², Fernandes D¹

PP021. Ghrelin as a new therapeutic approach to mitigate aging phenotype in Hutchinson-Gilford progeria syndrome

Ferreira-Marques M^{1,2,5}, Carvalho A¹, Franco A^{1,2,5}, Leal A¹, Botelho M¹, Carmo-Silva S^{1,2}, Águas R¹, Cortes L^{1,2}, Lucas V¹, Real A¹, López-Otín C³, Nissan X⁴, Pereira de Almeida L^{1,2,5}, Cavadas C^{1,2,5}, Aveleira C^{1,2,6}

PP022. Influence of anticoagulants in platelet-monocyte aggregates (PMA) occurrence in metabolic diseases patients

Gunaseelan C¹, Konečný L¹, Fadraersada J¹, Alva-Gallegos R¹, Gunaseelan C¹, Skořepa P^{2,3}, Matoušová K⁴, Kujovská Krčmová L^{4,5}, Paclíková M², Blaha M², Blaha V², Mladěnka P¹

PP023. Intrinsic redox balance and glutathione oxidation preserve endothelial cell sprouting capacity and promote vessel growth

Karantanou C^{1,2}, Wittig J^{1,2}, Drekolia M^{1,2}, Wang D³, Xu C^{1,2}, Mettner J^{1,2}, Weigert A⁴, Hu J^{1,3}, Bibli S^{1,2,5}

PP024. Non-psychotropic Drug Interactions among Psychiatric Patients in Bahrain

Tayem Y¹, Al-Ghadani M, Jahrami H, Ali M

PP025. An investigation of the protective effect of berberine on vancomycin-induced nephrotoxicity in rats

Yildirim E¹, Al Homsî T¹, Burukoğlu Dönmez D²

PP026. Physical Exercise Effects on a Mouse Model of Depression: Mind the Proteomics

Reis J^{1,2,3}, Soares E^{1,2,3}, Azkargorta M⁴, Elortza F⁴, Caramelo F^{2,3,5}, Fontes Ribeiro C^{1,2,3}, **Pereira F**^{1,2,3}

PP027. Integration of Pharmacological Principles and AI into GI physiology

Reuben J¹, Warner A¹, Logan S¹

PP028. The impact of 1-week empagliflozin treatment on cardiac mitochondrial respiration and ROS production in healthy rats

Mornar M¹, Grahovac M¹, Marinović Ljubković J¹, Boban M¹, Ljubković M¹

PP029. Could H₂S be a new mechanism for the vascular effects of sildenafil in healthy and oxidative stress conditions?

Özbek E¹, Bozkurt A¹, Anacak G²

PP030. The Role of Hydrogen Sulfide in Ischemic Priapism

Kaya N¹, **Özbek E**², Ersoy N³, Yetik-Anacak G⁴, Cilaker Mıcılı S⁵, Bozkurt O⁶, Durmuş N⁷

PP031. Adverse events associated with the use radio-pharmaceuticals: A prospective study from a tertiary care institute of national importance

Meher B¹, Kanhaiyalal K¹, Kumar N¹, Baranwal A¹

PP032. Effect of adrenalin alpha-2 agonists on thrombogenesis: risk in animal anesthesia with medetomidine, but safety in clinical sedation with dexmedetomidine

Kondo K¹, Kano T¹, Suganuma Y¹, Ikemoto K¹, Sumi-Ichunose C¹, Mochizuki T²

PP033. Cardioprotective MicroRNAs (ProtectomiRs) in a Pig Model of Acute Myocardial Infarction and Cardioprotection by Ischemic Conditioning: MiR-450a and MiR-451

Nagy R¹, Makkos A¹, Baranyai T¹, Giricz Z^{1,6}, Szabó M¹, Kravcsenko-Kiss B¹, Puskás L², Faragó N², Schulz R³, Gyöngyösi M⁴, Lukovic D⁴, Varga Z^{1,5}, Görbe A^{1,6}, Ferdinandy P^{1,6}

PP034. Blood levels of serotonin in fairly controlled and poorly controlled type 2 diabetes mellitus patients: An observational cross-sectional study

Mohanty R¹, Srinivasan A, Rajkumar P

PP035. Repurposing Colchicine for the Management of COVID-19: A Systematic Review and Meta-analysis

Mohanty R¹, Meher B¹, Padhy B¹

PP036. Cardiometabolic effect of add-on Sarcosine versus add-on placebo in major depressive disorder: a randomized controlled trial

Jena M¹, Padhan M¹, Mohapatra D²

PP037. Modelling of a precision oncology program on a breast cancer cell line panel in vitro

Makkos A, Takács Á, Somogyi O, Peták I, Görbe A, Dóczi R

PP038. Potential inappropriate prescribing in elderly patients with various degrees of kidney failure

Nedin Rankovic G¹, Krtinic D^{1,2}, Stokanovic D¹, Trajkovic H¹, Jovanovic H¹, Jankovic S³

PP039. Efficacy and safety of adipose-derived mesenchymal stem cell therapy for Osteoarthritis: A systematic review and Meta-analysis

Singh S¹, Anil A¹, Shamim M¹, Saravanan A¹, Yadav I¹, Dodiya R¹, Jalan D², Varthya S¹, Dwivedi P¹, Chugh A¹, Chugh V¹

PP040. Romosozumab in Osteoporosis: A Systematic Review and Meta-analysis

Singh S¹, Anil A¹, Saravanan A¹, Shamim M¹, Dwivedi P¹, Varthya S¹, Dutta S², Chugh A¹, Khera D¹, Chugh V¹

PP041. Knowledge and attitude regarding anabolic androgen steroids in athletes: Correlation with sociodemographic characteristics

Srb N¹, Petrovic A¹, Hefer M¹, Klaric F², Kralik K³, Smolic R¹, Vcev A¹, **Hefer M¹**

PP042. Effects of SGLT2 Inhibitors on SERCA2a/ Sarcolipin, which are New Therapeutic Targets in Diabetic Cardiomyopathy

Esgi S¹, **Özşarлак-Sözer G¹**, Kizrak U¹, Shamamedov K¹, Kerry Z¹

PP043. Empagliflozin exerts no-mediated vascular beneficial effects in diabetic rats

Kizrak U¹, **Özşarлак-Sözer G¹**, Shamamedov K¹, Alan-Albayrak E¹, Cilaker-Micili S², Ural C³, Cavdar Z³, Cetinkalp S⁴, Bilici-Guler G², Kerry Z¹

PP044. New Approach to Evaluate Adherence to Therapy Using Comparison of Single Measured Level with Population Pharmacokinetic Model: Study with Abiraterone in Prostate Cancer Patients

Merdita S¹, Šíma M¹, Dvořák J², Matějů M³, Richter I^{4,5}, Kozlík P⁶, Křížek T⁶, Královičová J¹, Bosák J⁷, Petruželka L³, Slanář O¹

PP045. Liver X-receptor (LXR) agonist T0901317 modulates hepatic steatosis, fibrosis and leukocyte populations in a diet-induced NAFLD mouse model

Aparício-Collado J¹, Marques P^{1,2,3}, Descalzo I¹, Gómez Martín Á¹, Domingo E^{1,2}, Real J^{1,2,4,5}, **Francisco V^{1,4}**, Sanz M^{1,2,5}

PP046. Positive vascular effects of phylloquinone - anti-senescence and anti-inflammatory activity in endothelial cells and vascular smooth muscle cells

Kieronska-Rudek A^{1,2,3}, Kij A¹, Bar A¹, Mohaissen T¹, Grosicki M¹, Stojak M¹, Kurpinska A¹, Buczek E¹, Proniewski B¹, Kus K¹, Panek A⁴, Pietrowska M⁵, Zapotoczny S⁶, Shanahan C⁷, Szabo C³, Chlopicki S^{1,2}

PP047. Adverse events related to etonogestrel implant: an old but still current issue?

Mendes Fernandes J¹, Sousa M², Bhikha J², Silva I³, Moreira P³, Silva M¹

PP048. Drug-drug interactions as a public health problem: a retrospective study of adverse drug reaction reports submitted to the national portuguese pharmacovigilance system

Gouveia M¹, **Mendes Fernandes J²**, Queiroz S², Silva M²

PP049. Cardioprotective effect of oleoylethanolamide in an animal model of early onset obesity

Sepe C¹, Eramo B¹, Friuli M¹, Zahid N¹, Giudetti A², Vari F², Stanca E², Damato M², Tacconi S³, Siculella L², Vergara D², Romano A¹, Gaetani S¹

PP050. Analysis of the suspected adverse drug reaction reports of drugs used for the treatment of systemic infections in a period of 10 years (2011 – 2020)

Modun D¹, Grgurević D¹, Bukic J¹, Leskur D¹, Seselja Perisin A¹, Rusic D¹

PP051. CYLD acts as an oncogene in a cellular model of Chronic Lymphocytic Leukemia

Gerousi M², Gavriilidis G², Keisarıs S², Kourouni A², Orfanou A², Iatrou A², Pseftogkas A^{3,4}, Mosialos G⁵, Theodosiou E², Chatzidimitriou A², Psomopoulos F², Ghia P^{3,4}, Stamatopoulos K², **Xanthopoulos K¹**

PP052. The effect of fluoride type on the formation of KOH-soluble fluoride on calcium pretreated tooth enamel

Kullashi Spahija F¹, Sutej I¹, Basic K¹, Spahija K², **Peros K¹**

PP053. Hydrogen sulfide (H₂S) dysfunction in Metabolic Syndrome-Associated Vascular Complications involves cGMP regulation through soluble Guanylyl Cyclase persulfidation

Smimmo M¹, Casale V¹, Mitidieri E¹, d'Emmanuele di Villa Bianca R¹, Bello I¹, Panza E¹, Montanaro R², Brancaleone V², Indolfi C³, Cirino G¹, Bucci M¹, Vellecco V¹

PP054. Pharmacogenetics of atorvastatin – the role of CYP3A4, CYP3A5 and SLCO1B1 gene variants in the development of myotoxicity and statin therapy switching

Ganoci L¹, Palić J², Šimičević L^{1,2}, Karačić E³, Leskovar D⁴, Pećin I⁴, Mucalo I⁵, Božina N⁶, Božina T²

PP055. Osimertinib Intensive Monitoring: Hospital Study in Patients With Non-Small Cell Lung Cancer (NSCLC) EGFR positive – Preliminary Analysis

Jordão I^{1,2}, Figueiredo A¹, Parente F¹, Barata F¹

PP056. Relationship of H2S Responses with the Heme Oxygenase Pathway in Mouse Corpus Cavernosum

Shamamedov K¹, Alan-Albayrak E¹, Catakli D², Ozsarlak-Sozer G¹

PP057. Antioxidant effect of empagliflozin in diabetic rats

Kizrak U¹, **Shamamedov K**¹, Alan-Albayrak E¹, Ozsarlak-Sozer G¹, Cetinkalp S², Cilaker-Micili S³, Ural C⁴, Cavdar Z⁴, Kerry Z¹

PP058. CDK9 regulation as a novel pharmacologic approach in sepsis: the role of endothelium

Marzani E¹, Ferreira Alves G², Aimaretti E³, Porchietto E², Einaudi G², Collotta D¹, Mastrocola R³, Aragno M³, Cifani C², Spampinato S⁴, Collino M¹

PP059. Treatment of invasive infections caused by *Morganella morganii*

Zivkovic Zaric R¹, Zaric M, Canovic P, Stojadinovic M, Pejicic A, Milosavljevic M, Milovanovic J, Milovanovic D, Djordjevic N, Kostic M, Ruzic Zecevic D, Jankovic S

PP060. Pharmacological targeting of RSK as innovative strategy to improve sepsis-induced injury

Rubeo C¹, Ferreira Alves G^{2,3}, Aimaretti E¹, Einaudi G³, Porchietto E³, Collotta D², Marzani E², Mastrocola R¹, Pagliaro P¹, Aragno M¹, Cifani C³, Collino M²

PP061. Effects of benzamides like naronapride on force of contraction in the isolated human atrium.

Neumann I¹, Hesse C, Hofmann B, Gergs U

PP062. In vivo and in vitro empagliflozin pretreatment does not protect isolated rat cardiomyocytes for oxidative stress-induced damage

Grahovac M¹, Mornar M¹, Matijević J¹, Boban M¹, Ljubković M¹, Marinović-Ljubković J¹

PP063. Genetic variants of IREB2 are associated with responsiveness to inhaled corticosteroids in patients with chronic obstructive pulmonary disease

Ntenti C¹, Papakonstantinou E², Grize L³, Stolz D³, Goulas A⁵

PP064. Preliminary evidence of association of the AS3MT VNTR with response to antipsychotic treatment

Goulas A¹, Ntenti C¹, Loukaki Gkountara D¹, Filippiadou M², Papazisis G²

PP065. Chicken Ovalbumin Upstream Promoter Transcription Factor II (COUP-TFII aka NR2F2) expression and activity controls endothelial angiogenic and inflammatory responses in HUVECs in vitro

Parianou A¹, Vazoura V¹, Dafni C¹, Paixos C¹, Stratoudaki M¹, Kyrgiridi P¹, Manousaki E¹, Kintos D², Kosma A², Fousteris M², **Topouzis S**¹

PP066. Novel 1H-pyrazolo[3,4-c]7yridine-7(6H)-one derivatives act as direct soluble Guanylyl Cyclase (sGC) stimulators and suppress proliferation, migration and cytokinesis induced by PDGF-BB and -DD in vascular smooth muscle cells in vitro

Paixos C¹, Stratoudaki M¹, Chandrinou N¹, Parianou A¹, Laimos-Geranos K², Christopoulou A², Toufas K², Kintos D², Foustieris M², **Topouzis S**¹

PP067. The Role of Arachidonic Acid Metabolites in the Vasoconstriction Effect of Tryptamine in the Isolated Perfused Rat Kidney

Iragh D¹, Yousif M¹, Oriowo M¹

PP068. Potentially inappropriate anticholinergic drugs use – a Portuguese study with older outpatients

Rodrigues D^{1,2}, Herdeiro M³, Mateos-Campos R⁴, Figueiras A⁵, **Roque F**^{1,2}

PP069. Impact of COVID-19 restrictions on antipsychotic utilization in Turkey: Findings from Changes in Nationwide Drug Consumption During the Pandemic Study

Vizdiklar C¹, Aydin V², Akici A¹

PP070. Deletion of 3-mercaptopyruvate sulfurtransferase reduces atherosclerosis

Zampas P^{1,2}, Varela A³, Davos H C³, Papapetropoulos A^{1,2}

PP071. Risk of new onset diabetes mellitus with pitavastatin as compared to atorvastatin and rosuvastatin: A systematic review and meta-analysis

Singh H¹, Kaur S¹, Kaushal P², Singla M¹

PP072. MIR27A rs895819 TC genotype increases risk of fluoropyrimidine-induced severe toxicity in Greek cancer patients

Ragia G^{1,2}, Biziota E³, Koukaki T³, Amarantidis K³, Manolopoulos V^{1,2,4}

PP073. MiRNome analysis in DOAC-treated male atrial fibrillation patients reveals novel mechanistic insights of drug action

Ragia G^{1,2}, Thomopoulos T³, Pallikarou M^{1,2}, Chalikias G⁴, Trikas A³, Tziakas D⁴, Manolopoulos V^{1,2,5}

PP074. A randomized controlled trial to evaluate efficacy and safety of glibenclamide in moderate to severe traumatic brain injury: The STRATEGY study

Kakkar A¹, Tripathi M¹, Ahuja C¹, Kaur M¹, Batra S¹, Malhotra S¹

PP075. Exploring the real-world association between statin use and acute renal failure risk: A pharmacovigilance study using FDA Adverse Event Reporting System

Kaur K¹, Singh H²

PP076. Metformin, a Principal Actress in the Global Oxidative Status in Patients with Calcific Aortic Stenosis and Diabetes Mellitus

Tejerina T¹, Corbacho-Alonso N², Rodriguez-Sanchez E³, Perales I⁴, Mouriño L⁵, Ruiz-Hurtado G⁶, Gonzalez-Barderas M⁷

PP077. Characterization of 5-HT receptor subtypes involved in the serotonergic sympathomodulation of vascular tone in female rats

Terol Úbeda A^{1,2}, Fernández González J^{1,2}, García Domingo M^{1,2}, Martín M^{1,2}, Morán A^{1,2}, García Pedraza J^{1,2}

PP078. Exploration of new mechanisms for the protection of peroxisome proliferator-activated receptor alpha agonists against endothelial inflammation and atherogenesis

Pu Y^{1,2,3}, Dong P², Zuo Z³, Wang L², Huang Y²

PP079. Novel Biomarkers in Anti-Tuberculosis Treatment-Induced Liver Injury (ATT-DILI): A Profound Analysis of Clinical Profiles and Severity Assessment

Kumar A¹, Shafiq N¹, Duseja A², Aggarwal A³, Sharma N⁴, Kakkar N⁵, Singh H⁴, Malhotra S¹

PP080. 3-mercaptopyruvate sulfurtransferase (MPST) is required for the cardioprotective action of thiosulfate

Ravani S^{1,2}, Papapetropoulos A^{1,2}

PP081. Adenosine Receptor Modulation in Asthma Combination Therapy Adenosine Blockers: Bronchial Reactivity

Mustafa L, Cvetkovski A¹, Havolli M¹, Islami H¹, Voca Abazi F¹, Alidema F¹, Hoti A¹, Spahiu R¹

PP082. The Impact of GLP-1R Agonist Liraglutide on Oxidative Stress in Human Venous and Arterial Endothelial Cells under Hyperglycemic Conditions

Zeybek E¹, Gökçe M^{1,2}, Civelek D², Şen A¹, Doğan S¹, Alp Yıldırım İ¹

PP083. Effect of resveratrol on the pharmacokinetics of everolimus in rats: a drug-phytochemical interaction

Ozturk Seyhan N¹, Unal Adiguzel B¹, Ozturk Civelek D², Sancar S³, Akyel Y⁴, Okyar A¹

PP084. Aripiprazole potentiates the anticancer activity of paclitaxel in NSCLC in vitro and in vivo models

Andriopoulou C¹, Kofinas A¹, Koutsougianni F², Epeslidou E¹, Leondaritis G¹, Dimas K², **Konstandi M**¹

PP085. Pterostilbene directly promotes vasodilation in the abdominal inferior vein cava

Zogu M¹, Daci A¹, Elshani A¹

PP086. Oleoylethanolamide attenuates the cardio-renal-metabolic alteration secondary to obesity

Comella F¹, Pirozzi C¹, Aragón Herrera A², Lama A¹, Annunziata C¹, Melini S¹, Opallo N¹, Meli R¹, **Mattace Raso G**¹

PP087. Role of elastase-2 in mice abdominal aortic aneurysms: a novel finding in disease pathogenesis

Mestriner F¹, Fora Dugaich V¹, Bruch Dantas P¹, Z. Kovacs H¹, Serra Ribeiro M¹, Becari C²

PP088. Effect of time span between exposing enamel slabs to calcium lactate and sodium fluoride on enamel uptake of alkali soluble fluorides

Kullashi Spahija F¹, Sutej I¹, Basic K¹, Spahija K², Peros K¹

PP089. The comparative study of the rapid (IKr) and slow (Iks) delayed rectifier potassium currents in undiseased human, dog, rabbit and guinea pig cardiac ventricular preparations

Jost N¹, Agoston M¹, Kohajda Z², Virag L¹, Bitay M¹, Papp J¹, Varro A^{1,2}

PP090. The Effects Of Curcumin and Nicorandil on ECG-Telemetered Findings Of Nilotinib Treated Rats

Harmancı N¹, Kaltus Z^{1,2}, Eroglu E^{1,3}, Cengelli Unel C¹, Yigitaslan S¹, **Sirmagül B**¹

PP091. The influence of CYP2C19 polymorphism on the safety and efficacy of voriconazole in pediatric patients with hematologic malignancy receiving voriconazole treatment due to an invasive fungal infection

Gumustekin M¹, Ertem O¹, Karadas N², **Kantarci M**¹, Yilmaz S³, Karapinar D², Oren H³, Pirmohamed M⁴

PP092. How to tackle antimicrobial resistance: A novel approach to inspire University students

Lopez-Cadenas C¹, Carrera-Gonzalez C², Diez-Laiz R¹, Fernandez-Dominguez J³, Fernandez-Martinez N¹, Garcia-Sierra J⁴, Gutierrez-Martin C⁵, Lopez-Rodriguez C⁶, de la Puente Garcia R¹, Rubio-Langre S⁷, San Andres-Larrea M⁷, **Sahagun-Prieto A**¹

PP093. Learning Pharmacology by ear: An approach to engage students

Diez-Laiz R, Lopez-Cadenas C¹, de la Puente-Garcia R¹, Romero-Gomez B¹, Vazquez-Acero M¹, Rodriguez-Lago J¹, Martinez-Lopez M¹, **Sahagun-Prieto A**¹

PP094. Trends in Dispensed Opioid Analgesic Prescriptions in Croatia 2013 to 2022, is there a reason for concern?

Vranic L¹, Bašić K¹, Peroš K, Šutej I¹

PP095. Practices in supplements use among athletes: Correlation with sociodemographic characteristics

Petrovic A¹, Srb N¹, Hefer M¹, Klaric F², Kralik K³, Smolic R¹, Vcev A¹, Smolic M¹

PP096. Epac1 activation prevents LPS-induced endothelial barrier disruption

Seoane N¹, Picos A¹, Campos-Toimil M¹, Viña D¹

PP097. Rapamycin weekly treatment delays replicative senescence of HUVEC in culture while maintaining endothelial identity and function

Picos A¹, Seoane N¹, Álvarez E², Viña D¹, Campos M¹

PP098. Study of the effect of bradykinin B2 receptor activation, in the management of hypercholesterolemia and cardiovascular risk

Mparnia V¹, Vachlioti E², Giannatou K¹, Kakafoni G¹, **Zvintzou E**¹, Rassias G², Kypreos K¹

PP099. RNA editing alterations in sporadic ALS highlight novel associations with disease-related targets, promoting new intervention approaches

Kanata E¹, Karagianni K², Kyriakidis K¹, Pettas S^{1,2}, Xanthopoulos K¹, Dafou D², Sklaviadis T¹

Poster Session II (100 – 204) | Tuesday June 25th, 12:45-13:45

PP100. A Comparative Study of RgIA4, VC1.1, Baclofen on Motion-induced Emesis and Thermoregulation in Suncus murinus (House Musk Shrew)

Li Z¹, SO R², Rudd J¹

PP101. New trick for an old dog: Pyronaridine against hard-to-treat human echinococcosis

Wang W¹, Duan L¹, Li J², Zhang W²

PP102. Activity-dependent proteolysis of cyclooxygenase-2 yields cleavage products that modulate cellular functions in a prostaglandin-independent manner

Hartal-Benishay L¹, Abd Elkader A¹, Ehsinieh O¹, Tal S¹, Schwartz A¹, Kleifeld O², Mikl M¹, **Barki-Harrington L**¹

PP103. Melanin Regulates Ultraviolet A-Induced Signaling in Human Epidermal Melanocytes

Hafez S^{1,2,3}, Oancea E³

PP104. Discovery of key residues of GLUT9 for uric acid transport using Molecular Dynamics and its clinical evaluation from renal hypouricemia

Cho S¹

PP105. 3-mercaptopyruvate sulfur transferase (MPST) is a key regulator of macrophage inflammatory responses: possible implications on Metabolic-associated fatty liver disease (MAFLD)

Savvoulidou O¹, Arora A¹, Tripodi G¹, Katsouda A^{2,3}, Papapetropoulos A^{2,3}, Ketelhuth D¹, Peleli M¹

PP106. Introduction of novel silver nanoparticles materials on dental acrylic samples as alternative medication delivery to oral mucosa

Rezić I², Somogy M², Kraljević Šimunković S¹, Bando I¹, **Šutej I**¹

PP107. T cell phenotype changes in Immunosenescence: A Comparative Analysis Across Young, Healthy Elderly and Frail subjects

di Flora A¹, Rasini E¹, Albizzati M¹, Servello M¹, Cosentino M¹, Marino F¹

PP108. Acute toxicological profiles of the selected modified natural clays in rats

Jačević V^{1,2,3}, Obradović M⁴, Milovanović Z⁵, Amidžić L^{6,7}, Nežić L⁸, Knežević M⁹, Krajišnik D¹⁰, Daković A⁴

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Dragojević-Simić V^{1,2}, **Jačević V**^{2,3,4}

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Jačević V^{1,2,3}, Grujić-Milanović J⁴, Milovanović Z⁵, Amidžić L^{6,7}, Vojinović N⁷, Nežić L⁸, Marković B⁹, Dobričić V⁹, Milosavljević P¹⁰, Knežević M¹¹, Nepovimova E³, Kuča K³

PP111. Study of the toxicity of ARBM101 (Methanobactin SB2) compared to other iron chelators

Wachinger V¹, Akdogan B², Eberhagen C², Reinold Q¹, Zischka H^{1,2}

PP112. Cytotoxic activity of novel GnRH analogs conjugated with mitoxantrone in ovarian cancers

Markatos C¹, Karageorgos V¹, Biniari G², Chepurny O³, Tsakalakis N¹, Venihaki M⁴, Holz G³, Tselios T², Liapakis G¹

PP113. Pharmacological characterization of a novel CRF1R non-peptide analog

Markatos C¹, Karageorgos V¹, Panagiotopoulos V², Liapakis N¹, Tsakalakis N¹, Komontachakis G¹, Islam R³, Fahmy H³, Matsoukas M², Liapakis G¹

PP114. Novel GnRH conjugate analogs exert cytotoxic effects on endometrial cancer cells

Markatos C¹, Karageorgos V¹, Biniari G², Liapakis N¹, Komontachakis G¹, Sifakis K³, Venihaki M⁴, Tselios T², Liapakis G¹

PP115. Development of an in-situ gelling hydrogel for the controlled release of drugs with antidepressant-like potential by subcutaneous administration

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PP116. Mechanisms of Lipopolysaccharide (LPS)-Induced Emesis and Physiological Changes Indicative of Nausea in Suncus murinus (House Musk Shrew)

Liu L¹, Tse K², Rudd J¹

PP117. Serendipity meets synergism: differential enantiomers activity of a RAD51-BRCA2 disruptor for an integrated, more robust synthetic lethality strategy in pancreatic cancer

Masi M¹, Poppi L², Previtali V¹, Myers S¹, Nelson S³, Varignani G¹, De Franco F⁴, Falchi F², Veronesi M^{5,6}, Ortega J¹, Bagnolini G², Farabegoli F², Di Stefano G⁷, Oliviero G⁸, Pellicciari R⁴, Walsh N³, Roberti M², Girotto S⁵, Cavalli A^{1,2}

PP118. Effects of mir-30c-5p modulation on the nucleolar stress response of dorsal root ganglion neurons after sciatic nerve injury

Francés R¹, Lafarga M^{2,5}, Marques J^{3,4}, Saguillo A^{3,5}, Hurlé M^{3,5}, **Tramullas M**^{3,5}

PP119. A novel positive modulator of alpha7 nAChR enhances cholinergic neurotransmission and promotes intracellular calcium responses in hippocampal interneurons

Pálfi¹, Thán M¹, Kolok S¹, Marosi M¹, Ledneczki I¹, Visegrády A¹, Lendvai B¹, Némethy Z¹, Fodor L¹

PP120. Pretreatment with (-)-epicatechin attenuates the development of NAFLD in vitro

Hefer M¹, Petrovic A², Omanovic Kolaric T³, Kuna Roguljic L⁴, Kizivat T⁵, Srb N⁶, Sikora R⁷, Smolic M⁸

PP121. Discovery of orally bioavailable phenothiazine aminoalcohols to fight against alveolar echinococcosis through targeting topoisomerase I

Duan L¹, Wang W¹, Li J², Zhang W²

PP122. Enzymatic synthesis and biological evaluation of ganglioside GM3 derivatives as potential cancer immunotherapeutics

Lu D¹, Wang J, Jiang F

PP123. Role of JNJ7777120 (Histamine H4 receptor antagonist) in prevention and/or treatment of 5-FU-induced gastrointestinal mucositis in rats

Harmanci N¹, **Yigitaslan S**¹, Yildiz P¹, Yildirim E¹, Kaltus Z¹, Sahinturk V¹

PP124. Antiseizure activity of new 2,5-dioxopyrrolidin-1-yl)propanamide derivatives with a probable novelty mechanism of pharmacological action

Rapacz A¹, Mogilski S¹, Abram M², Kamiński K²

PP125. Predict drug-induced vomiting and nausea using gastrointestinal pacemaker activity produced by the interstitial cell of Cajal as biomarkers: Glucagon-like peptide-1 agonists and Dipeptidyl Peptidase IV inhibitors as exemplar drugs

Liu Y^{1,2}, Tung M¹, Lau C¹, Chau C², Deng Y^{1,2}, Hui X¹, Rudd J^{1,2}

PP126. Assessment of the antibacterial and anti-efflux efficacy of novel synthetic chalcone derivatives

Čizmariková M¹, **Franko O**¹, Garberová M², Szemerédi N³, Spengler G³, Takáč P⁴

PP127. The effects of lichen secondary metabolites on resistant colon cancer cells proliferation and ABCB1 efflux activity

Franko O¹, Čizmariková M¹, Kello M¹, Goga M², Takáč P³, Mojžiš J¹

PP128. Platelet hyperactivity as a trigger of leukocyte trafficking to the lungs and subsequent respiratory exacerbations, in early-stage COPD

Marques P^{1,2,3}, Bocigas I⁴, Domingo E^{1,2}, Francisco V¹, Tarraso J^{1,4}, Morcillo E^{1,2}, Piqueras L^{1,2,5}, Signes-Costa J^{1,4}, Gonzalez C^{1,4}, Sanz M^{1,2,5}

PP129. The effect of proinflammatory cytokines on soluble and membrane-bound dipeptidyl peptidase 4 levels of colonic epithelial cells

Gomes S^{1,2,3}, Melo F^{1,3}, Santiago M⁴, Assunção Silva R⁴, Magro F^{1,4,5,6,7,8}

PP130. Pharmacokinetics and lymphatic transport of two important cannabinoids – cannabidiol and cannabigerol

Paulusová V¹, Ryšánek P¹, Jelínek P², Kozlík P³, Sklenářová M¹, Arora M¹, Nováková A¹, Merdita S¹, Šteigerová M¹, Křížek T³, Slanař O¹, Šoóš M², Šíma M¹

PP131. BP-2, a newly synthesized pan-PPAR agonist, emerges as a lead candidate for reducing liver fibrosis in non-alcoholic steatohepatitis

Sanz M^{1,2,3}, Marques P^{1,2,4}, Francisco V¹, Aparicio-Collado J¹, Domingo E¹, Gomez-Martin A¹, Descalzo I¹, Vila L¹, Piqueras L^{1,2,3}, Cortes D^{1,5}, Cabedo N^{1,5}

PP132. Misfolding of cystathionine beta-synthase (CBS) in homocystinuria – A novel cell-based CBS folding reporter assay for the study of CBS folding and activity

Petrosino M¹, Ascencao K¹, Szabo C¹, Majtan T¹

PP133. Novel identification of Glucocorticoid-induced leucine zipper in enteroendocrine cell subtypes in healthy and IBD gut

Rosati L¹, Cari L¹, Sette M¹, Leoncini G², Migliorati G¹, Ronchetti S¹

PP134. The Liver X receptor agonist GW3965 downregulates inflammatory cytokine expression and secretion in the muscular layers of the rat small intestine

Alfaqih M^{1,2}

PP135. Targeting the interaction of VEGFA with protein tyrosine phosphatase receptor zeta 1 as a novel anti-angiogenic approach

Choleva E¹, Ntenekou D¹, Kastana P¹, Tzoupis H^{2,3}, Katraki-Pavlou S⁴, Drakopoulou M¹, Kanellopoulou V¹, Enake M¹, Beis D^{4,5}, **Papadimitriou E**¹

PP136. Casein kinase 2 (CK2) inhibition alleviates diet-induced harmful effects in a murine model of high fat diet consumption

Porcietto E¹, Aimaretti E², Ferreira Alves G¹, Einaudi G¹, Rubeo C², Collotta D³, Marzani E³, Mastrocola R², Aragno M², Cifani C¹, Collino M³

PP137. The Role of Store-Operated Calcium Entry in Sorafenib-Resistant Hepatocellular Carcinoma

Yurdacan Yasar B¹, Erac Y

PP138. The Effects of Hyperforin in the Sorafenib-Resistance Hepatocellular Carcinoma

Yilmaz E¹, Yurdacan B², Getbogan D², Sen T³, Karstarli I³, Erac Y⁴

PP139. First generation vanadium-based PTEN inhibitors: comparative study in vitro and in vivo and identification of a novel mechanism of action.

Premeti K¹, Nadalis A¹, Syropoulou V¹, Karagkiozeli D¹, Aggelis G¹, Tsipa D¹, Papanikolaou M², Kampanos T², Labrakakis C³, Pappas P¹, Antoniou K¹, Doulias P², Leondaritis G¹

PP140. Effects of Broad-Spectrum UV Absorber Ecamsule on Epidermal Barrier Constituents in Human Keratinocytes

Huang Y¹, Chang K¹, Yang C¹

PP141. A human neuroinflammation platform for drug screening against neurological disorders.

Charou D¹, Chanoumidou K¹, Malliou F², Kakatsou P², **Charalampopoulos I¹**

PP142. Combined impact of adolescent ethanol and cocaine exposure on hippocampal neurochemical markers in male and female rats

Colom-Rocha C^{1,2}, Garcia-Fuster J^{1,2}

PP143. IL-33 and IL-18 drive the pro-tumoral ILC2 functions in prostate cancer patients

Maresca D¹, La Civita E², Romano B¹, Ambrosio M², Somma F¹, Ianaro A¹, Terracciano D², **Ercolano G¹**

PP144. Oleoylethanolamide (OEA) restores skeletal muscle dysmetabolism in pre-obese young rats

Vari F¹, Friuli M¹, Stanca E¹, Romano A¹, Gaetani S¹, Vergara D¹, Giudetti A¹

PP145. H₂S is involved in the relaxant effects of osthole on murine corpus cavernosum

Alan Albayrak E^{1,2}, Pinilla E², Comerma Steffensen S², Simonsen U², Sevin G¹

PP146. Circulating MicroRNAs from Plasma Extracellular Vesicles in Patients with Pharmacoresistant Epilepsy

Palmisani M^{1,2}, Tartara E², Crema F¹, Rizzo B², Galimberti C², Dattrino F³, Fattore C², Fedele G⁴, Gagliardi S², **Franco V^{1,2}**

PP147. Dose-dependent effects of standardized nose-horned viper (Vipera ammodytes ammodytes) venom on vascular responsiveness in isolated rat aorta

Mudnić I¹, Karabuva S², Šušak Crnčević M³, Lukšić B^{2,4}, Boban M¹

PP148. The Effect of Intra-Hypothalamic Ghrelin Administration on Cisplatin-Induced Side Effects in Suncus murinus

Yang L¹, Lu Z¹, Liu Y¹, Ngan M¹, Sakai T², Sakata I², Chan S³, Rudd J¹

PP149. Chemo-Phototherapy with Carfilzomib-Encapsulated TiN Nanoshells Suppressing Tumor Growth and Lymphatic Metastasis

Zhu X¹, Wu X¹

PP150. Role of estrogens on the antidepressant-like effects of electroconvulsive seizures in adolescent rats

Garcia-Cabrerizo R^{1,2}, Garau C^{1,2}, Ledesma-Corvi S^{1,2}, Garcia-Fuster J^{1,2}

PP151. Lower expression of RAD52 in prostate cancer cell lines converts the antiandrogen bicalutamide from an antagonist into a partial agonist

Alfaqih M^{1,2}, Norris J², McDonnell D²

PP152. Siramesine, a non-opioid σ_2 receptor agonist as a potential agent for the development of novel targeted treatments for pancreatic cancer

Koutsogianni F¹, Sereti E², Jovanovits N¹, Alexopoulou D¹, Dervenis C³, Zacharoulis D⁴, Pešić M⁵, Rankov D⁵, Ilkay-Armutak E⁶, Uvez A⁶, Tsezou A⁷, Dimas K¹

PP153. The PDK-1 inhibitor GSK2334470 induces cell death and G1 cell cycle arrest in human pancreatic cancer cells

Alexopoulou D¹, Koutsougianni F¹, Kotsopoulos G¹, Polychronis A¹, Masoura C¹, Lafazanis K¹, Papathanasiou I², Trachana V², Dimas K¹

PP154. Gender-related differences of hepatic lipid metabolism and mitochondrial function in epileptic WAG/Rij rats: effect of early lipopolysaccharide exposure

Melini S¹, Pirozzi C¹, Trinchese G², Lama A¹, Del Piano F³, Comella F¹, Cimmino F², Opallo N¹, Mollica M², Mattace Raso G¹, Meli R¹

PP155. Phytochemical Constituents and Biological Activity of Wild and Cultivated Rosmarinus officinalis Hydroalcoholic Extracts

Romano B¹, Maresca D¹, Somma F¹, Chianese G¹, Formisano C¹, De Feo V², Ercolano G¹, Ianaro A¹

PP156. Quantitative structure-activity relationship (QSAR) used to determine the molecular properties responsible for the antibacterial activity of new gamma-lactams targeting Staphylococcus aureus: design, synthesis, and in silico and in vitro evaluation of the test compounds

Morán-Díaz J¹, Quintana-Zavala D¹, González-Albores S², Ocampo-Néstor A², Trujillo-Ferrara J², Guevara-Salazar J²

PP157. Endomorphin-1 analogues containing non-protonable tyrosine derivatives as novel and highly selective opioid ligands: design and characterization of innovative compounds with distinct binding profiles and possibly improved pharmacological activity

Bedini A¹, Francescato M², Gentilucci L²

PP158. The C-terminal regions of the GLP-1 and GIP receptors modulate rate of receptor endocytosis.

Al-Zaid B¹, Al-Sabah S¹

PP159. Antitumoral role of the lipid mediators N-acyl taurines in colorectal cancer

De Cicco P¹, Amico R¹, Miraglia M¹, Cutignano A², Capasso R¹, Romano B¹, Pagano E¹, Izzo A¹, Borrelli F¹

PP160. Lipid nanoparticles for efficient delivery of siRNA in colorectal cancer

De Cicco P¹, Amico R¹, Ferillo T¹, Conte C¹, Quaglia F¹, Borrelli F¹

PP161. Inhibition of mitochondrial complex I reduces hepatic steatosis by modulating lipid metabolism, inflammation, and fibrosis in an MCD diet model

Trucchi M¹, Di Pasqua L¹, Protopapa F¹, Scotti E¹, Sun P², Kauschke S², Vairetti M¹, Croce A³, Ferrigno A¹

PP162. Indorenate, an antihypertensive compound with new hypoglycemic effects mediated by 5-HT1a and 5HT2a receptors: in vivo and in silico studies

Giacoman Martínez A^{1,2,3,4}, Huang F², Almanza Pérez J¹, Alarcón Aguilar F¹, Rosiles Alanís W⁵, Romero Nava R⁴, Aguayo Cerón K⁴, Hong E³

PP163. Effect of TAK-242 on Lipopolysaccharide-induced Acute Kidney Injury in Mice

Almazmomi M¹, Esmat A, Alsieni M

PP164. Direct-acting oral anticoagulant use during pregnancy: Experience from a teratology information service of a tertiary hospital

Vizdiklar C¹, Ulker G¹, Gultekin O¹, Akici A¹

PP165. The anti-inflammatory and anti-remodelling effect of inhaled ROCK inhibitor hydroxyfasudil in monotherapy and after simultaneous administration with budesonide in experimentally induced allergic asthma

Franova S¹, Gondas E¹, Smiesko L¹, Joskova M¹, Fedorova L¹, Sutovska M¹

PP166. Stress-induced mechanical and thermal pain sensitisation mediated through central nervous system cell signalling

Fülöp B¹, Kormos V¹, Rozmer K¹, Király Á¹, Dénes Á², Lénárt N², Borbély É¹, Helyes Z^{1,3,4,5}

PP167. New inhaled gallium delivery system: a therapeutic strategy for pulmonary diseases

Esposito E¹, Recchiuti A², Indolfi C³, Mitidieri E¹, Ferri G², Costabile G¹, Frangipani E⁴, Visaggio D⁵, Visca P⁵, Ungaro F¹, d'Emmanuele di Villa Bianca R¹, Sorrentino R¹

PP168. A novel selective HDAC6 inhibitor as an epigenetic modulator for TNBC treatment

Bello I¹, Barone S¹, Barile M¹, Esposito C¹, Summa V¹, Cirino G¹, Brindisi M¹, Panza E¹

PP169. Anti-inflammatory effect of Cannabigerol in Collagen-induced arthritis

Šteigerová M, Sklenářová M, Jelínek P, Bobek D, Šoos M, Šíma M, Slanař O

PP170. Simultaneous PPAR γ Activation and SGLT2 Cotransporter Inhibition Modulate Apoptosis in Diabetes-induced Nephropathy

Čináková A¹, Křenek P¹, Klimas J¹, Král'ová E¹

PP171. Morphine-THC Analgesic Drug Combination: Molecular Pathway Analysis and MOPr-CB1 Heteromerization Quantification in Different Human and Rodent Cell Models

Baiula M¹, Cuna E¹, Cimetti C¹, Renault P², Giraldo J², Bedini A¹

PP172. In-vitro Validation of Mu Opioid Receptor (MOPr) Interfacial Residues Predicted to Be Relevant for Opioid/Cannabinoid Receptor Heteromerization and Crosstalk Under Basal Conditions and in Response to Morphine

Cimetti C¹, Cuna E¹, Baiula M¹, Renault P², Giraldo J², Bedini A¹

PP173. Studying state-dependent compound effects using adaptive voltage-clamp on a high throughput automated patch clamp system

Goetze T¹, Hampl M¹, George M¹, Obergrussberger A¹, Rapedius M¹, **Seibertz F**¹, Brinkwirth N¹, Friis S¹, Haarmann C¹, Becker N¹, Fertig N¹

PP174. Evaluation of New β -Lactam Derivatives' Effects on $\alpha 4\beta 1$ and $\alpha M\beta 2$ Leukocyte Integrin-Mediated Immune Cells Activation and Migration

Maurizio A¹, Giraldi V², Giacomini D², Baiula M¹

PP175. Impact of 5-HT₂ receptor blockade by sarpogrelate on the allodynia induced by diabetic neuropathy in male rats

Fernández González J^{1,2,3}, Pizaña Encarnación J⁴, Escoto-Rosales M⁴, García-Pedraza J^{1,2}, García-Domingo M^{1,2}, Villalón C³, Granados-Soto V⁴

PP176. Antifibrotic potential of kynurenic acid in renal fibrosis

Sykorova S¹, Hadova K¹, Krivy J¹, Vavrínek P¹, Vavřincova D¹

PP177. Effect of Atorvastatin on Angiogenesis-Related Genes and the Modulation of Transcripts in Bone-Marrow-Derived Mesenchymal Stem Cells (BM-MSCs)

Gazova A¹, Adamickova A², Chomanicova N⁴, Cervenak Z², Valaskova S⁴, Adamicka M³, Kyselovic J²

PP178. Epac involvement in colon cancer, a possible new target for metabolic reprogramming of tumor cells

Cullotta C¹, Lauro R¹, Eid A², Irrera N¹, Bitto A¹

PP179. Use of graphene quantum dots as effective drug delivery system for cancer medicines

Bitto A¹, Imbesi C¹, **Cullotta C**¹, Lauro R¹, Irrera N¹

PP180. Cancer derived exosomes containing sialoglycans: A promising tool for immune modulation

Toledo Santamaría D¹, von Gunten S¹

PP181. Exploring the anti-inflammatory potential of N-palmitoyl taurine

Amico R¹, Iannotti F², Cutignano A², Ligresti A², Nanì M¹, Di Marzo V^{2,3,4,5}, Borrelli F¹, De Cicco P¹

PP182. Surface-engineered nanoparticles for siRNA delivery in colorectal cancer

Amico R¹, De Cicco P¹, Longobardi G¹, Conte C¹, Quaglia F¹, Borrelli F¹

PP183. Indazole Partial Agonists Targeting Peripheral Cannabinoid Receptors

Maitra R¹, Amato G¹, Lauder milk L¹, Vasukuttan V¹, Runyon S¹

PP184. Recombinant IgG1 Fc hexamer and neutrophils: Kill or not to kill

Hevia Hernandez G¹, Velschoor D, von Gunten S¹

PP185. Induction of miRNAs expression in adipose-derived mesenchymal pluripotent stem cells. Effects of magnesium, cholecalciferol and ascorbic acid.

Kyselovic J¹, Chomaničová N, Adamičková A, Gažová A

PP186. Anti-cholestatic activity of bile acids mediated by glutathione-dependent antioxidant system

Pavlovic N¹, Stanimirov B¹, Djanić M¹, Mikov M¹, Stankov K¹

PP187. Bile acids upregulate carbonyl reductase and aldo-keto reductase expression in breast adenocarcinoma cell line following doxorubicin treatment

Stanimirov B¹, Đanić M¹, **Pavlovic N**¹, Lazarevic S¹, Mikov M¹, Stankov K¹

PP188. Investigation of the antidepressant and anti-anxiety effects of DMTS mediated by the TRPA1 ion channel

Göntér K¹, Pozsgai G^{1,2}

PP189. Inflammatory macrophage infiltration reduces subcutaneous adipocyte MPST levels through TNF α and IL-1 β secretion

Salagiannis K^{1,2}, Papadopoulou G², Katsouda A^{1,2}, Papapetropoulos A^{1,2}

PP190. Dosing time-dependent effects of everolimus on circadian gene expression and circadian physiology in mice

Ozturk Seyhan N¹, Li X², Levi F², Okyar A¹

PP191. Lactobacillus species inhibits pancreatic cancer progression by regulating immune response

Tan H¹, Chan Y², Wang N²

PP192. CTH/MPST double ablation results in hepatic steatosis

Markou M^{1,2}, Katsouda A^{1,2}, Papapetropoulos A^{1,2}

PP193. Pharmacology of Skeletal Muscle Chloride Channels (ClC-1): Implications in Restoring Neuromuscular Transmission in Neuromuscular Disorders

Morgen J¹, Skals M¹, Huus N¹, Skov M¹, Findsen A¹, Broch-Lips M¹, Pedersen T²

PP194. Multifactorial antioxidant activity of CEMTIRESTAT, inhibitor of aldose reductase, in prevention of development secondary diabetic complications

Šoltésová Prnová M¹, Bod' o P¹, Lepaček M¹, Jahelkova M¹

PP195. Unveiling Human Lung Fibroblast Exosomes as Curcumin and Doxorubicin Nanocarriers for Cancer Therapeutics

Saiti A¹, Giannopoulos-Dimitriou A¹, Panteris E², Malousi A³, Stamoula E⁴, Anagnostopoulos A⁴, Vatsellas G⁵, Al-Maghrabi P⁶, Chatzopoulou F⁷, Müllertz A⁶, Tseti I⁸, Fatouros D⁹, Vizirianakis I^{1,10}

PP196. Systems Pharmacology and Network Analysis to Advance Pharmacogenomics and Precision Medicine Decisions in Type-2 Diabetes Therapy

Giannopoulos-Dimitriou A¹, Saiti A¹, Kazakos I¹, Galatou E², Vizirianakis I^{1,2}

PP197. Characterization of the Effects of Jmv2894, a Synthetic Growth Hormone Secretagogue, in a Cellular Model of Duchenne Muscular Dystrophy

Bresciani E¹, Rizzi L¹, Meanti R¹, Cappellari O², Mantuano P², Conte E², Boccanegra B², Liantonio A², Denoyelle S³, Fehrentz J-A³, Locatelli V¹, De Luca A², Torsello A¹

PP198. Semaglutide significantly increases cell viability and ameliorates lipid accumulation in an in vitro model of MASLD

Petrovic A¹, Hefer M¹, Omanovic Kolaric T¹, Kuna Roguljic L¹, Kizivat T², Matic A¹, Smolic R¹, Vcev A¹, Smolic M¹

PP199. Investigation of antialzheimer and antiangiogenic activities of donepezil hydrochloride loaded PLGA nanoparticle (NP) systems by in vitro AchE and BuChE inhibitor activity analyzes and in vivo CAM method

Kömür M¹, Kıyan H², **Öztürk A**¹

PP200. Effect of DMTS via the TRPA1 ion channel in acute stress in mouse model

Göntér K¹, **Pozsgai G**^{1,2}

PP201. Melatonin Boosts Anti-Cancer Immunity in Pancreatic Adenocarcinoma by Modulating Tumor-Related Neutrophil Infiltration and NETosis

Wang N¹, Tan H²

PP202. Novel synthesized Coumarin derivate in airway smooth muscle

Elshani A¹, Sopi R², Haziri A², Thaçi Q², Sylqa A¹, Daci A³, Zogu M³

PP203. The soluble form of PD-L1 is a valuable biomarker in COVID-19

Conti V^{1,4}, Francesco S^{1,2}, Pagliano P^{1,3}, Carmine S⁴, Berenice S⁵, Graziamaria C⁵, Valentina M⁴, Emanuela D⁶, Liguori L⁷, Stefano P^{1,2}, Amelia F^{1,4}

PP204. Receptor Protein Tyrosine Phosphatase zeta 1 (RPTPZ1) pharmacological inhibition or deletion regulates osteoblasts activities in vitro and bone homeostasis in vivo

Xanthopoulos A¹, Lamprou M¹, Kastana P¹, Giannoutsou P², Barounis F², Mourkogianni E¹, **Orkoula M**², Papadimitriou E¹

PP205. Esculeoside A prevents retinal damage in diabetic rats by suppressing REDD1-dependent degradation of Nrf2

Alkhateeb M¹, Alsabaani N², Aldhaban W², Alshaikhli H¹

PP206. Inhibition of glucagon like peptide -1 signalization leads to brain region dependent changes in the energy metabolism and apoptosis

Osmanovic Barilar J¹, Kolaric D², Knezovic A¹, Babic Perhoc A¹, Homolak j¹, Salkovic-Petrisic M¹

PP207. Neuroprotective effects of Psoralidin: potential mechanisms of action associated with PDE4A inhibition

Uzunhisarcikli E¹

PP208. Diuretic activity of crude ethanol and saponin-rich extracts of Solanum sisymbriifolium Lam. in rats

Arrúa Báez W¹, Ibarrola D¹, Hellión-Ibarrola M¹, Duarte Santa Cruz J¹

PP209. Assessment of sun protecting factor and in vitro cytotoxicity of methanolic pulp extracts from Serbian Cucurbita maxima in human keratinocytes

Dekanski D¹, Jovanović A¹, Miljić M^{2,3}, Krstić S⁴, Pirković A¹

PP210. Oleuropein treatment attenuates ROS generation, inflammation, and H2O2-induced damage in human trophoblast cells

Pirković A¹, Vilotić A¹, Nacka-Aleksić M¹, Bojić-Trbojević Ž¹, Jovanović Krivokuća M¹, Dekanski D¹

PP211. Fumaria officinalis L. as a novel source of biologically active compounds

Dekanski D¹, Pirković A¹, Jovanović A¹

PP212. Ircinia ramosa Sponge Extract (iSP) Induces Apoptosis in Human Melanoma Cells and Inhibits Melanoma Cell Migration and Invasiveness

Maresca D¹, Romano B¹, Somma F¹, Chianese G¹, Formisano C¹, Ianaro A¹, Ercolano G¹

PP213. Cafeteria diet abstinence induces depression and disrupts endocannabinoid signaling in dopaminergic areas: a preclinical study

Friuli M¹, de Ceglia M^{1,2}, Romano A¹, Micioni Di Bonaventura M³, Gavito A², Botticelli L³, Micioni Di Bonaventura E³, Cifani C³, Rodriguez de Fonseca F², Gaetani S¹

PP214. Cytotoxic Effect of Apitoxin and Melittin in Bladder Cancer Cells: Investigation of their Antitumoral Potential

Poiato G¹, Almeida T¹, Boaventura De Oliveira A¹, Marques Porto R¹, Nicoli da Silva G², Picolo G¹

PP215. Early and Late Pharmacopuncture with Apitoxin or Melittin Induced Prolonged Analgesia and Reduced Neuroinflammation Markers in Rat Neuropathic Pain Model

Boaventura De Oliveira A¹, Silva D¹, Sant'anna M¹, Almeida T¹, Assis G¹, Marques-Porto R², Silva J³, Picolo G¹

PP216. Antiseizure medication and direct oral anticoagulants: overview

Cancellerini C¹, Esposito R², Caravelli A², Vignatelli L², Licchetta L², Bisulli F^{1,2}

PP217. Tanshinones: promising lead compounds for treating various diseases

Chen X¹

PP218. RGH-397 inhibits the function of recombinant and native $\alpha 5$ GABAA receptors and shows efficacy in animal models of cognitive impairment

Bódi V¹, Thán M¹, Fodor L¹, Bobok A¹, Visegrády A¹, Soukupné Kedves R¹, Kapus G¹

PP219. Investigation of the effects of pregabalin on experimental schizophrenia models

Kilic Tatlici C¹, Kaygisiz B¹, Yazici Z¹, Erdogan Erden E¹, Ay H², Bal C³, Yildirim E¹, Kilic F¹

PP220. The inflammatory ATP-enriched environment drives microglia towards an m1-like phenotype that inhibits astroglial proliferation

Quintas C^{1,2}, Fernandez-Llimos F^{1,2}, Gonçaves J^{1,2}, Queiroz G^{1,2}

PP221. Activation of microglia P2X4 and P2X7 receptors impairs purinergic-induced astroglial proliferation

Quintas C^{1,2}, Silva R¹, Glonçaves J^{1,2}, Queiroz G^{1,2}

PP222. The pharmacological inhibition of lysosomal two-pore channel 2 (TPC2) confers neuroprotection in stroke via autophagy regulation

Tedeschi V¹, Vinciguerra A², Sisalli M¹, Pignataro G¹, Secondo A¹

PP223. Antisense Oligonucleotides as a novel RNA-targeted therapeutic approach against Tau-driven neuronal malfunction

Megalokonomou A^{1,2}, Campos-Marques C^{3,4}, Barros-Santos B^{3,4}, Papadimitriou G^{1,3,4}, Vamvakalakovou A^{1,5}, Godinho B^{6,7}, Watts J^{6,8}, Dalla C⁹, Kokras N^{9,10}, Skourti K¹, Katsaitis F¹, Silva J^{3,4}, Sotiropoulos I^{1,3,4}

PP224. A dose-response study evaluating the antidepressant-like effects and safety profile of ketamine in adolescent female rats

Jornet-Plaza J^{1,2}, Garcia-Fuster J^{1,2}

PP225. Effects of the Recombinant Human Erythropoietin in the Entorhinal Cortex and Thalamus of Rats Exposed to Focal Cerebral Ischemia

Mršić-Pelčić J¹, Pelčić G², Vitezić D¹, Pilipovic K¹

PP226. A dose-response study evaluating the antidepressant-like effects and safety profile of cannabidiol in adolescence male and female rats

Gálvez-Melero L^{1,2}, García-Fuster J^{1,2}

PP227. Investigation of the anti-allodynic effects of cibinetide (ARA290) in cisplatin-induced peripheral neuropathy in rats

Ozkan B¹, Cengelli Unel C¹, Harmanci N¹, Yigitaslan S¹, Ozatik O²

PP228. Evaluation of the antinociceptive properties of a new N-substituted 1H-isoindole-1,3(2H)-dione derivative based on in vivo studies

Dziubina A¹, Szkatuła D², Sapa J¹

PP229. Investigating the impact of G protein-coupled estrogen receptor 1 (GPER1) and ketamine on behavioral and neurochemical changes in male and female rats: Advancing new treatments for mood disorders

Pavlidis P¹, Theodoulou E¹, Kokkinou P¹, Polissidis A^{2,3}, Sotiropoulos I⁴, Antoniou K⁵, Kokras N⁶, Dalla C¹

PP230. Molecular underpinning of the cannabidiol's therapeutic potential against stress and Alzheimer's disease brain pathology

Vamvaka-Iakovou A^{1,2,3,4}, Silva J^{3,4}, Gomes P^{3,4}, Campos-Marques C^{3,4}, Samiotaki M⁵, Panayotou G⁵, Skaltsounis L⁶, Halabalaki M⁶, Tzimas P⁶, Kokras N^{7,8}, Dalla C⁷, Megalokonomou A^{1,3,4}, Katsaitis F¹, Skourti K¹, Serfioti E¹, Brakatselos C⁹, Antoniou K⁹, Sotiropoulos I^{1,3,4}

PP231. Possible dose-dependent neuroprotective effect of ketamine in the brain in a rat head trauma model

Gölcükçü Aydın E¹, Aydın O², Aydın Ş³, Kılıç Tatlıcı C¹, Yazıcı Z¹, Yıldırım C⁴, Şahintürk V⁵, Kılıç F¹

PP232. The effect and mechanism of the new antiepileptic drug Lacosamide on experimentally induced schizophrenia-like models

Kılıç Tatlıcı C¹, Erdogan Erden E¹, Sanli Z¹, Aydın S², Kılıç F¹, Yıldırım E¹

PP233. A virtual-aided design of small compounds to prevent BDNF receptor cleavage in Alzheimer's disease

De Oliveira S^{1,2}, Fernandes L^{1,2}, Coelho T^{1,2,3}, Manso M^{1,2,3,4}, Sebastião A^{1,2}, Enguita F², Diógenes M^{1,2}

PP234. Anti-glycation properties of Zinc-enriched Arthrospira platensis (Spirulina) prevent diet-induced "metaflammation" in a mouse model

Aimaretti E¹, Porcietto E², Mantegazza G³, Gargari G³, Collotta D⁴, Einaudi G², Ferreira Alves G², Marzani E⁴, Algeri A⁵, Dal Bello F⁶, Aragno M¹, Cifani C², Guglielmetti S³, Mastrocola R¹, Collino M⁴

PP235. Role of TGF- β signaling and sex influence in two Diabetic Peripheral Neuropathy models in mice

Silva E^{1,2}, Saguillo A^{1,2}, Marques J³, de la Fuente R⁴, Tramullas M^{1,2}

PP236. Myelin Restoration: A Promising Approach to tackle Alzheimer's Disease

Zota I^{1,2}, Chanoumidou K^{1,2}, Magoulas G³, Calogeropoulou T³, Charalampopoulos I^{1,2}, Gravanis A^{1,2}

PP237. Pharmacological exploitation of the p75 Neurotrophin Receptor neurogenic properties against Alzheimer's Disease

Papadopoulou M^{1,2}, Chanoumidou K^{1,2}, **Charalampopoulos I**^{1,2}

PP238. Loss of cysteine carbon flux to H2BK46ac redirects pluripotent stem cells towards mesodermal lineage commitment

Wittig J^{1,2}, Drekolia M^{1,2}, Wang Y³, Cordero J³, Kessler L³, Karantanou C^{1,2}, Kempf S², Weigert A⁴, Wittig I⁵, Leisegang M⁶, Fuhrmann D⁴, Schlereth K⁷, Gehrs S⁷, Janel N⁸, Zimmermann W^{9,10}, Günter S^{10,11}, Klatt S², Fleming I^{2,10}, Weichenhan D¹², Plass C¹², Looso M^{10,13}, Kurian L⁶, Hu J^{2,14}, Dobrev G^{3,10}, Bibli S^{1,2,10}

PP239. Aromatase inhibition and electroconvulsive seizures in adolescent rats: sex similarities in the regulation of some neuroplasticity markers

Ledesma-Corvi S^{1,2}, García-Fuster J^{1,2}

P240. Erucin, a natural hydrogen sulfide (H₂S) donor, improves Duchenne muscular dystrophy (DMD)-induced SKM dysfunction

Casale V¹, Smimmo M¹, Bello I¹, Panza E¹, Bonomo M², Brancaleone V², Cirino G¹, Vellecco V¹, Bucci M¹

PP241. Investigating motor function in a preformed fibril model of alpha-synucleinopathy in rats in relation to time and age

Akgüner B¹, Akyel H², Çınar E³, Yalçın Çakmaklı G⁴, Elibol B⁴, Tel B¹

PP242. Dissection of anti-inflammatory and immunomodulatory activity of Mangifera indica extract: from CD4+CD45RBhigh T cells transfer model of colitis to IBD patients

Schettino A¹, Saviano A¹, Mansour A², Marigliano N¹, Raucci F¹, Rimmer P², Begym J², Zhi Z², Iqbal T², Iqbal A², Cirino G³, Bucci M³, Maione F¹

PP243. Lymphatic transport of cannabidiol after oral administration in pigs: development of a novel model for lymphatic transport studies

Ryšánek P¹, Lukáč P, Mlček M, Jelínek P, Kozlík P, Šodek P, Sklenářová M, Arora M, Nováková A, Šteigerová M, Bobek D, Das D, Křížek T, Šoóš M, Šíma M, Slanař O

PP244. Intracerebral application of chemically functionalized single-walled carbon nanotubes and its effects on neuronal damage, glial response, and synaptic changes in traumatic brain injury model in mice

Pilipović K¹, Dolenec P¹, Janković T¹, Mihalić V¹, Parpura V²

PP245. Study of new immune players in Abdominal Aortic Aneurysm

Domingo Pérez E^{1,2}, Gómez Á^{1,2}, Collado A^{1,2}, Aparicio J², Marques P^{1,2}, Francisco V^{1,2}, Piqueras L^{1,2,3,5}, Real J^{1,2,3,4,5}, Blanes J^{1,2,5}, Sanz M^{1,2,3,5}

PP246. Effect of pentadecapeptide BPC 157 on platelet aggregation and viscoelastic properties of blood clot in rats treated with aspirin, clopidogrel and cilostazol

Stupnisek M^{1,2}, Krtalic B³, Krtalic L⁴, Mircic M⁵, Konosic S⁵

PP247. Cell cycle braker P16INK4a regulates spinal production of TNF alpha and chronic pain induced by nerve injury

Weng H¹, Bipin S

PP248. Role of TGF-β signalling and sex influence on neuropathic pain-evoked anxiety in mice

Marques J^{1,2}, Saguillo A^{1,3}, Tramullas M^{1,3}

PP249. TrkB-FL cleavage in human Alzheimer's disease and Fronto Temporal dementia in patient samples

Aleman-Serrano N^{1,2}, Costa-Coelho T^{1,2,3}, De Mendonça A¹, Diógenes M^{1,2}, Sebastião A^{1,2}

PP250. Profiling the analgesic activity of selected, dually acting AChE/BChE inhibitors/ NMDA receptors antagonists

Kubacka M¹, Mogilski S¹, Sapa J¹, Gorecki L², Korabecny J², Sokoup O²

PP251. A formulation containing palmitoylethanolamide and phenolic compounds counteracts hepatic dysmetabolism and oxidative damage in obese mice: in vivo and in vitro evidence

Pirozzi C¹, Melini S¹, Lama A¹, Comella F¹, Opallo N¹, Mollica M², Paciello O³, Mattace Raso G¹, Meli R¹

PP252. Anxiolytic effect of PEA-OXA through the blockade of neuroinflammation in mice with high fat diet induced obesity

Opallo N¹, Lama A^{1,2}, Pirozzi C¹, Comella F¹, Melini S¹, Meli R¹, Mattace Raso G¹

PP253. In silico and in vitro assessment of imperatorin-induced anticancer activity: The role of mitotoxicity

Albayrak G¹, Ergüç A², Okur H³

PP254. The impact of anti-seizure medications on gut microbiota in a genetic animal model, the WAG/Rij rat

De Caro C¹, Roberti R², Ferlazzo E³, Russo E⁴

PP255. Fractalkine chemokine receptor 1 (CX3CR1) mediates chronic arthritic pain: in vivo study using CX3CR1-deficient mice

Horvath A^{1,2}, Gilinger P¹, Orosz P¹, Borbély É^{1,2}, Tékus V^{1,2}, Szentés N^{1,2,3}, Kovács-Rozmer K¹, Futácsi A⁴, Czéh B^{4,5}, Dénes Á⁶, Helyes Z^{1,2,3,7}

PP256. Role of TGF-β signalling and sex influence in a model of oxaliplatin-induced neuropathic pain in mice

Saguillo Velásquez A^{1,2}, Marques J^{1,3}, Silva E^{1,2}, López C⁴, Tramullas M^{1,2}

PP257. ADAR1 modulates cell death and neuroinflammation in Multiple Sclerosis revealing novel therapeutic targets

Pettas S^{1,2}, Kanata E², Karagianni K¹, Kyriakidis K¹, Bekas N¹, Sargiannidou I³, Kleopa K³, Xanthopoulos K², Sklaviadis T², Dafou D¹

PP258. Anthocyanin-rich extracts derived from wine byproducts exert neuroprotective and anti-inflammatory properties

Christoudia N¹, Kanata E², Chatziefstathiou A¹, Schmitz M³, Zerr I³, Tsamesidis I⁴, Xanthopoulos K², Dafou D¹, Sklaviadis T²

PP259. Limonene ameliorates acute renal inflammatory injury induced by Lipopolysaccharide by targeting the TLR4/AP1/IRF3/ NF-κB pathway in mice

Kathem S¹, Shareef S²

PP260. Limonene exerts anti-inflammatory effect on LPS- induced jejunal injury in mice by inhibiting NF-κB/AP-1 pathway

Kathem S¹, Nasrawi Y²

PP261. Development of silicone-based transdermal patches against postoperative and inflammatory pain conditions

Pintér E¹, Hajna Z¹, László S², Göntér K¹, Pozsgai G¹, Wagner Ö²

PP262. Smilax domingensis regulates carbohydrate and lipid metabolism through dual agonist action on PPARs

Ortiz Barragan I¹, Almanza Pérez J², Giacomán Martínez A², Alarcón Aguilar F², Estrada Soto S³

PP263. A bioguided study on Artemisia species extracts from Greece reveals promising antileishmanial sesquiterpene lactones

Karoutzou O¹, Kalpoutzakis E¹, Smirlis D², Skaltsounis L¹

PP264. Cannabidiol's antipsychotic effects on two distinct pharmacological models of schizophrenia

Antoniou K¹, Brakatselos C¹, Asprogerakas M¹, George Ntoulas G¹, Tsarna O¹, Messinis A¹, Delis F¹, Polissidis A²

PP265. Modulatory Effects of Cannabidiol on the Behavioral and Neurobiological Alterations in a Rat Model of Fragile X Syndrome

Antoniou K¹, Ntoulas G¹, Nakas G¹, Messinis A¹, Brakatselos C¹, Tzimas P³, Halabalaki M³, Polissidis A²

PP266. Antidiabetic and anti-inflammatory action of 4-HBA and B-sitosterol, isolated of Cucurbita ficifolia

Almanza-Perez I¹, Rosiles-Alanis W², Pazaran-Aguinaga I¹, Ortíz Barragán E¹, Giacomán-Martínez A¹, Alarcón-Aguilar F¹, Zamilpa A³

PP267. Pharmacological modulation of Nrf2 pathway in α-synuclein mouse model of Parkinson's disease

Gardoni F¹, Salvadè M¹, Zianni E¹, DiLuca M¹

PP268. Effects of MIA-602, GHRH receptor antagonist, on emotional disorders in mice

Libero M^{1,2,3}, Recinella L¹, Schally A⁴, Salvatori R⁵, Brunetti L¹, Leone S¹

PP269. Protective effects induced by an aqueous aged black garlic extract on prostate and bladder cancer

Libero M¹, Montero-Hidalgo A^{2,3,4,5}, Recinella L¹, Leone S¹, Luque R^{2,3,4,5}, Brunetti L¹

PP270. Karnofsky index as a predictive factor in the pharmacotherapy of bone metastases cancer pain

Krtinic D^{1,2}, Nedin Rankovic G¹, Petkovic I^{3,2}, Cvetanovic A^{3,2}, Conic I^{3,2}, Lucic Prokin A⁴, Todorovic Mitic M², Radic M^{3,2}, Jovanovic H¹, Trajkovic H¹, Cevrljakovic M², Pejcic V⁵, Cekic M⁶

PP271. α -amyryn and lupeol, triterpenes from Hibiscus sabdariffa L. with anti-inflammatory effect and activity

Luna Hernández F¹, Giacomán Martínez A^{1,2,3}, Alarcón Aguilar F¹, Huang F², Almanza Pérez J¹

PP272. Striatal astrocytes of neonatal and adult rats display distinct kinetic and molecular characteristics of dopamine uptake

Sočan V¹, Kržan M¹

PP273. The fractalkine receptor 1 (CX3CR1) mediates hyperalgesia and neuroinflammation the passive transfer-trauma mouse model of complex regional pain syndrome

Tékus V^{1,2,3}, Szentes N^{1,3,4}, Dénes Á⁵, Sensi S^{6,7}, Neiland H^{6,7}, Goebel A^{6,7}, Helyes Z^{1,3,4,8}

PP274. Evaluation of medication protocols for asthma patients admitted to a tertiary healthcare institution

Basbug Y¹, Kirmizi Sonmez N², **Vizdiklar C**³, Akici A³

PP275. Deer antler extract as an anticancer agent and drug delivery carrier

Xie Y¹, Kondratyeva M¹, Nazarbek G¹, Mu C², Shaimoldina A¹, Toktarov N³, Amin A⁴

PP276. Identification of promising molecules for Hereditary Spastic Paraplegia treatment using predictive Drosophila models

Guarato G¹, Vantaggiato C², Dianin F¹, Rossato R¹, Gumeni S³, Bassi M², Orso G¹

PP277. Glucoraphanin a natural hydrogen sulfide donor exerts anti-inflammatory effect in macrophagic cells

Indolfi C¹, Saviano A², Esposito E², Marigliano N², Schettino A², Iqbal A³, Maione F², Mitidieri E², Sorrentino R², d'Emmanuele di Villa Bianca R²

PP278. Merits and constraints of inflammatory and neuropathic rat models of trigeminal activation

Harmat M¹, Mohos V¹, Kitka T², Pintér E^{1,3,4,5}, Farkas S², Helyes Z^{1,3,4,5}

PP279. Effect of cannabidiol on dynorphinergic and BDNF systems in the CNS of neuropathic pain suffering rats

Rullo L¹, Morosini C¹, Losapio L¹, Boccella S², Luongo L², Posa L³, Maione S², Gobbi G⁴, Candeletti S¹, Romualdi P¹

PP280. Topiramate showed anti-allodynic effect on the adjuvant-induced inflammatory orofacial allodynia model

Mohos V¹, Harmat M¹, Kitka T², Farkas S², Pintér E^{1,3,4,5}, Helyes Z^{1,3,4,5}

PP281. Exploring triterpenic acid metabolism pathways through fecal metabolomics with mass spectrometry

Mikropoulou E¹, Amerikanou C², Kaliora A², Mitakou S¹, Dedoussis G², Halabalaki M¹

PP282. Preliminary exploration of the role of progesterone and related steroids on uterine slow potentials.

Deng Y¹, Liu Y¹, Hui X¹, Rudd J¹

PP283. Intracellular Ca²⁺ release pathways responsible from impaired contractile responses in a rat model of menopause

Cenk I¹, Denizalti M¹, Durlu-Kandilci N¹

PP284. Incorporation of GFs in liposomes and in ES membranes for integration into bone regeneration-assisting implant

Mouzoura P¹, Marazioti A⁴, Blanchy M³, Klepetsanis P^{1,2}, Antimisiaris S^{1,2}

PP285. Hydrogen sulfide and inflammation: interplay with resolution pathways and pro-resolving mediators

Montanaro R¹, Carriero F¹, Mitidieri E², Vellecco V², Whiteman M³, Panza E², Terrazzano G¹, Cirino G², Bucci M², d'Emmanuele di Villa Bianca R², Dalli J⁴, Brancaleone V¹

PP286. Investigating the molecular effects of pregabalin on morphine-mediated signaling in human, rat, and mouse neuronal cells to implement a Quantitative Systems Pharmacology platform for chronic pain treatment

Cuna E¹, Baiula M¹, Gülave B², de Lange L², Bedini A¹

PP287. Antinflammatory and antioxidant effect of Kadsurenin F in intestinal epithelial cells

Rapa S¹, Schwaiger S², Popolo A¹, De Fabrizio V¹, Autore G¹, Stuppner H², **Marzocco S¹**

PP288. Analysis of antibiotic prescribing at the University Clinical Dentistry Centre of Kosovo during 2019-2021 in the Periodontology and Oral Medicine Clinic

Hoti A¹, Šutej I¹, Jakupi A²

PP289. Exposure to Cerliponase Alfa and fAβ1-42 induced the autophagy-regulatory/related pathways in HT-22 cells

Carikci F¹, Köse S¹, Tel B¹, Kelicen Uğur P¹, Cinar E², Akyel H³, Cakir-Aktas C⁴, Karatas H⁴

PP290. Effect of Cerliponase Alfa on autophagy-related pathways in mouse hippocampal neurons exposed to Aβ1-42

Köse S¹, Kelicen-Ugur P¹, Tel B¹, Cinar E², Akyel H³, Karatas H⁴, Cakir-Aktas C⁴

PP291. Erucin, an H₂S-releasing isothiocyanate, exert anticancer effect on human triple negative breast cancer cells

Esposito C¹, Bello I¹, Smimmo M¹, Barile M¹, Bucci M¹, Cirino G¹, Panza E¹

PP292. Genistein and curcumin inhibit proliferation and invasiveness in BRAFV600E mutant and wild-type melanoma cells: insights of the anticancer effects

Mannino F¹, Bitto A¹, Pallio G², Squadrito F¹, Vaccaro F², Irrera N¹, **Cullotta C¹**

PP293. siRNA-loaded nanobubbles to overcome melanoma resistance to targeted therapy

Collotta D¹, Pettineo E¹, Cucci M¹, Argenziano M², Dianzani C², Cavalli R², Pizzimenti S¹

PP294. Regulatory role of hemokinin-1 in age-related memory loss, motor coordination and muscle strength changes

Kepe E¹, Simon V¹, Tékus V¹, Helyes Z^{1,2,3}, Borbély É^{1,2}

PP295. Unveiling the Intricacies of Simvastatin Bioaccumulation and Biotransformation in Probiotic Bacteria Model for Insightful Revelations on Drug-Microbiota Interplay

Đanić M¹, **Pavlovic N²**, Lazarevic S¹, Stanimirov B³, Zaklan D², Tatalović V⁴, Starčević I⁴, Vukmirovic S¹, Mikov M¹

PP296. Design, synthesis and pharmacological bioactivities of thiol-derived flavan-3-ols prepared using procyanidins from avocado peels

Pastene E¹, Garcia A², Alarcón J¹, Zuñiga F², Reyes M³, Venegas M², Fiallos N¹, Berrios B², Ormazabal Y², Bustamante L²

PP297. Analgesic effect of cyclodextrin derivatives through inhibition of Transient Receptor Potential Ankyrin 1 ion channel activation

Szóke É¹, Nehr-Majoros A¹, Bencze N¹, Payrits M¹, Kemény Á¹, Helyes Z¹

PP298. Therapeutic Drug Monitoring of Antiseizure Medications through quantitative DBS Cancellineri C¹, Caravelli A², Esposito E², Soldà M², Vignatelli L², Bisulli F^{1,2}, Licchetta L², Fiori J³

PP299. Perception, barriers, and willingness to implement tele-pharmacy among pharmacists in Palestine

Khdour M¹, Hilqawi Y¹

PP300. The neuroprotective effects of Olea Europaea, Crocus sativus, Vaccinium myrtillus and Salvia spp in experimental models of Alzheimer's Disease

Kofinas A¹, Pavlidis N¹, Andriopoulou C¹, Paliaga A¹, Epeslidou E¹, Leondaritis G^{1,2}, Antoniou K¹, Gravanis A³, Charalampopoulos I³, Angelis A⁴, Antoniadis L⁴, Skaltsounis L⁴, Konstandi M¹, **Konstandi M**¹

PP301. μ -opioid receptor oligomers as targets for safer pain management

Casadó-Anguera V¹, Llopart N¹, Alonso-Carrasco A¹, Moreno E¹, Casadó V¹

PP302. Hydrangea paniculata coumarins alleviate adriamycin-induced renal lipotoxicity through activating AMPK and inhibiting C/EBP β

Zhang S¹, Ji M¹, Du T¹

PP303. Low THC Cannabis extracts for psoriasis. A study in an in vitro model

Rizzi L¹, Gregoli G¹, Bresciani E¹, Meanti R¹, Pellati F², Corsi L², Mauri M¹, Torsello A¹

PP304. A survey about knowledge and perception towards pharmacovigilance among nursing students at Medical Faculty, ss. Cyril and Methodius University, Skopje, North Macedonia

Gjorgjievska K¹

PP305. Drug prescription pattern in bird practice: a retrospective study in a Spanish veterinary teaching hospital

Romero-Gómez B¹, Susperregui-Lesaca J², Vazquez-Acero M¹, Lopez-Cadenas C¹, de la Puente-Garcia R¹, Rodriguez-Lago J¹, **Sahagun-Prieto A**¹, Diez-Laiz R¹

PP306. The Effect Of Cross-Linked and Linear Intercalated Hyaluronic Acid On Primary Human Osteoarthritic Chondrocytes In The Presence Of Inflammatory Extracellular Vesicles Derived From Human Monocytes

Carrabs V^{1,2}, Guillén I^{1,3}, Ferrándiz M³, Alcaraz M³, Ferrini F², Guescini M², Zazzetta M⁴, Capparucci I², Barbieri E², Sestili P²

PP307. The effect of pretreatment with garlic oil extracts alleviates the NaT-induced damage in a human gastric cell model of peptic ulcer disease

Kuna Roguljic L¹, Kizivat T², Roguljic H³, Omanovic Kolaric T⁴, **Petrovic A**⁵, Raguz-Lucic N⁶, Vcev A⁷, Smolic M⁸, Wu C⁹, Smolic R¹⁰

PP308. Apolipoprotein E4: A possible pharmacological target for the management of diet induced obesity and related lipid disorders

Giannatou C¹, Mparnia V², Kakafoni G³, **Zvintzou E**⁴, Kypreos K⁵

PP309. Development and in vitro evaluation of genistein-loaded exosome-inspired nanoparticles

Tsakiri M^{1,2}, Naziris N^{1,3}, Zivko C^{2,4}, Ahmed W^{2,4}, Sagar R^{2,4}, Ionov M³, Bryszewska M³, Mahairaki V^{2,4}, Demetzos C¹

PP310. Investigation of the Antibacterial and Antibiofilm Activities of Cinnamaldehyde and Berberine Extracts on Methicillin-Resistant Staphylococcus epidermidis Clinical Strains

Eken B¹, Kantarci M², Abdalhalim K³, Arayici M⁴, Ozturk D⁵, Ellidokuz H⁴, Gumustekin M², Yilmaz O¹

PP311. Antifungal activity of Pterostilbene incorporated in the tissue conditioner on in vitro growth of Candida Albicans

Komoni T^{1,2}, Sutej I²

PP312. Selected Growth Hormone Secretagogues (GHS) as disease modifiers in an in vitro model of Amyotrophic Lateral Sclerosis: a proof-of-concept study

Meanti R¹, Rizzi L¹, Bresciani E¹, Licata M¹, Molteni L¹, Omeljaniuk R², Fehrentz J³, Denoyelle S³, Locatelli V¹, Torsello A¹

PP313. Optimal Timing for Fluoride Sample Analysis: Mitigating Percentage Deviation Risks

Smajli Vokshi K¹, Kullashi Spahia F¹, Šutej I², Bašić K², Peroš K², Spahija K³